

3DVC_Red1_Standards

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Standards

- What standards exist
- Types: Structures, networks,
- Structure annotations as different levels and visualize (i.e., Chimera)
- PDB well defined, SAX no good standards
- Course grain representations: Sali group started bringing people together
- How do you get people to adopt standards, develop libraries to make it easy
- Problem: multiple languages, C++ and Java, BioJava mmCIF parser available
- Need central place for libraries, dedicated documentation and testing
- Reaction networks, can use SIMILES
- Do biologist need to know about standards, i.e., ontologies to allow searching
- Two types of standards, different for developers and biologists
- Reproducibility important